

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/FI 03/00255

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: 35 because they relate to subject matter not required to be searched by this Authority, namely:

see FURTHER INFORMATION sheet PCT/ISA/210

2.  Claims Nos.: 1-35 because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

see FURTHER INFORMATION sheet PCT/ISA/210

3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.1

Claims Nos.: 35

Claim 35 relates to a method of treatment of the human or animal body by surgery or by therapy/a diagnostic method practised on the human or animal body Rule 39.1(iv). Nevertheless, a search has been executed for this claim. The search has been based on the alleged effects of the compound/composition.

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Continuation of Box I.2

Claims Nos.: 1-35

The expressions "diseases or conditions where antagonists of alpha-2-adrenoreceptors are indicated to be useful" in claims 1-10, "disorder of the central nervous system" and "lipolytic disorders" in claim 11, "movement disorder" in claim 12, "for use as a selective alpha-2C antagonist" in claim 13 and "mental disorders propagated by stress" in claim 14 may relate to a large number of different disorders and conditions which cannot be clearly defined by these expressions. The claims are in violation with the requirements of Article 6 PCT that claims shall be clear and concise. The search has therefore been limited to the other, more clearly defined, diseases and groups of diseases mentioned in the present claims 11-12 and 14.

The initial phase of the search revealed a very large number of documents relevant to the issue of novelty. So many documents were retrieved that it is impossible to determine which parts of the claims may be said to define subject-matter for which protection might legitimately be sought (Article 6 PCT). For these reasons, a meaningful search over the whole breadth of the claims is impossible.

Consequently, the search has been restricted to:

claims 1-15 related to the compounds of claims 15-32,  
claims 16, 18-20, 22, 24-29 and 31-32,  
claim 30 for Z = -CHR8-(CH<sub>2</sub>)<sub>n</sub>- and  
claims 33-34 related to the compounds of claims 16, 18-20, 22, 24-29, 31-32 and claim 30 for Z = -CHR8-(CH<sub>2</sub>)<sub>n</sub>-.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/03/00255

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE STN INTERNATIONAL [Online]            File CAPLUS, CAPLUS accession no.            1999:246819, Document no. 131:53570;            GRIFFITH, RENATE ET AL: "Modeling of            adrenoceptor ligand targets based on novel            medium- or macro-sized fused nitrogen            heterocyclic systems"            XP002245426</p> <p>&amp; Journal of Computer-Aided Molecular            Design (1999), 13(1), 69-78, Compound            satisfying formula I with            alpha2-adrenergic activity; proviso            compound in claim 15            abstract</p> <p>---</p>	1,3-6, 9-15, 17-22, 33-35
X	<p>DATABASE STN INTERNATIONAL [Online]            File CAPLUS, CAPLUS accession no.            1981:533210, Document no. 95:133210 ;            BOELSING, EKKEHARD ET AL: "Reactions of            indole derivatives. XLVI. Stereoselective            route to isoeburnamone"            XP002245427</p> <p>&amp; Chemische Berichte (1981), 114(5),            1932-7, Compounds satisfying formula IC            abstract</p> <p>---</p>	26,27,30
X	<p>DATABASE STN INTERNATIONAL [Online]            File CAPLUS, CAPLUS accession no.            1978:597770, Document no. 89:197770;            POGOSYAN, S. A. ET AL : "Indole            derivatives. LX.            1,2,3,4,4a,5,7,8,13b,13c-Decahydro-13H-ben            z(g)indolo(2,3-a)indolizines and            1,2,3,4,4a,5,7,8,9,14,14b,14c-dodecahydroi            soindolo(1,2-a)indolo(2,3-c)azepines"            XP002245428</p> <p>&amp; Armyanskii Khimicheskii Zhurnal (1978),            31(4), 260-6, Compound satisfying formula            IC with analgesic properties            abstract</p> <p>---</p>	1-6,11, 23,24, 26,27, 30,33-35
X	<p>DATABASE STN INTERNATIONAL [Online]            File HCPLUS, HCPLUS accession no.            2001:855109, Document no. 137:88229;            ABDEL-ZAHER, AHMED O. ET AL: "The            potential antidiabetic activity of some            alpha-2 adrenoceptor antagonists "            XP002245429</p> <p>&amp; Pharmacological Research (2001), 44(5),            397-409            abstract</p> <p>---</p>	1-6, 11-14, 23,24, 33-35

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/03/00255

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7	C07D455/00	C07D471/04	C07D491/147	C07D495/14	A61K31/55
	A61K31/4375	A61P3/06	A61P3/10	A61P9/02	A61P15/10
	A61P25/00	A61P25/14	A61P25/16	A61P25/18	A61P25/22

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 686 226 A (HUFF JOEL R ET AL) 11 August 1987 (1987-08-11) column 1, line 7 - line 58 column 2, line 27 - line 35; examples Alfa2-adrenergic antagonists with use as antidepressives and antidiabetics and satisfying claims 1,9 and 10-14 ---	1-35
X	EP 0 213 793 A (WYETH JOHN & BROTHER LTD) 11 March 1987 (1987-03-11) abstract; examples column 9, line 23 - line 30; claims Analogous alfa2-adrenergic antagonists with use as, e.g., antidepressives and antidiabetics ---	1-35

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## ° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

25 June 2003

Date of mailing of the international search report

21.07.2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

PER RENSTRÖM /EÖ

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/00255

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61P25/24 A61P25/28

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category <sup>a</sup>	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 492 303 A (MORRISON GLENN CURTIS ET AL) 27 January 1970 (1970-01-27)  column 1, line 24 -column 2, line 20 column 5 -column 9; examples 3-12 Compounds satisfying claims 1-3, 5 and 11-14, for use as central nervous system depressants  ---	1-7, 11-14, 23-35
X	EP 0 130 823 A (RICHTER GEDEON VEGYESZET) 9 January 1985 (1985-01-09) Compounds satisfying formula IC in claim 26, with pharmacological properties  ---	26,27, 30,33,34  -/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

25 June 2003

## Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA 03/00255

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	RIKU AANTAA MD: "Alpha2-adrenoceptor antagonists" BAILLIÈRE'S CLINICAL ANAESTHESIOLOGY, vol. 14, no. 2, 2000, pages 285-292, XP002245599 the whole document ---	1-6, 11-14, 23,24, 33-35
X	GUAY AT ET AL: "Yohimbine treatment of organic erectile dysfunction in a dose-escalation trial." INT J IMPOT RES., vol. 14, no. 1, February 2002 (2002-02), pages 25-31, XP002245425 the whole document -----	1-6, 11-14, 23,24, 33-35

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/I 03/00255

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
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